

# INSTALLATION INSTRUCTIONS FOR FIFTH WHEEL LANDING GEAR - AP43594, AP44261, AP44265 AND AP44269 WELD - ON MOUNTING BRACKET KITS

**1.) DETERMINE THE MOUNTING HEIGHT OF THE LANDING GEAR JACKS:** To determine the correct landing gear jack mounting height, the trailer should be hitched to and supported by the tow vehicle. There are several variables to consider when determining the jack mounting height: lifting capability to unhitch the trailer, ground clearance to the bottom of the jack when hitched to the tow vehicle and the esthetic qualities of the installation. **These variations cannot be accurately addressed unless the trailer is hitched to the tow vehicle.**

**Lift capability:** Typically, 6 inches of lift may be needed to unhitch the trailer, especially if the trailer has a gooseneck (ball) style hitch. In some cases, as much as 8 or more inches may be needed. The use of an air ride style hitch may alter these dimensions also.

**Ground clearance:** The maximum amount of ground clearance that can be obtained while still being able to unhitch the trailer is the most desirable. Allowance for the trailer to pivot down while traversing inclines such as driveways without dragging the jacks is important. The lower the trailer is built to the ground, the higher the jacks may be mounted without losing lift capability to unhitch. The higher from the ground the trailer is built, the lower the jacks may have to be mounted. If necessary, a mounting structure for the lower bracket may have to be fabricated.

## 2.) MOUNTING THE LANDING GEAR JACKS:

A. Securely attach the bottom brackets to the jacks in the appropriate location. The top brackets come attached to the jacks. The bottom bracket can be mounted anywhere on the rod guide of the jack. **The bottom bracket must not be mounted above the rod guide.**

B. Support or clamp the jacks in the predetermined mounting location. Make sure the jacks are at the proper mounting height and straight up and down.

**IMPORTANT: Do not apply excessive heat to the mounting brackets with the jacks still attached to the brackets. Heat transfer through the jacks will damage the seals! Protect trailer and jacks from damage due to welding heat or splatter and grinding sparks.**

C. Tack the upper and lower mounting brackets in place.  
**TACK WELD ONLY!**

D. Remove the jacks from the brackets before finishing the welding of the mounting brackets.

E. Use approved welding practices to completely weld the top and bottom of both the upper and lower mounting brackets. Be careful to not "pull" the brackets in one direction or the other while welding. Stitch welds, alternating between the top and bottom seam of each bracket until the seam is totally welded.

F. Allow ample time for the brackets to cool before installing the jacks. When the brackets are sufficiently cooled, install the jacks to the mounting brackets.

G. Check that all mounting bolts have been properly tightened.

H. Complete the installation of the system. **Follow plumbing diagrams carefully, crossing hydraulic hoses at the system manifold can damage the jack seals. If needed, contact HWH Corporation for correct plumbing and/or wiring diagrams.**

